

The Trail Inventory of Aroostook NWR Limestone, ME



Prepared By:
Federal Highway Administration
Central Federal Lands Highway Division
March, 2012



TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
I. <u>TRAIL AND TRAIL FEATURE SUMMARIES</u>	1 - 1
II. <u>TRAIL LOCATION MAPS</u>	2 - 1
III. <u>TRAIL IDENTIFICATION LIST</u>	3 - 1
IV. <u>TRAIL CONDITION RATING SHEETS</u>	4 - 1
V. <u>TRAIL DEFICIENCY RATING SHEETS</u>	5 - 1
VI. <u>PHOTOGRAPHIC SHEETS</u>	6 - 1
VII. <u>GLOSSARY</u>	i

Aroostook NWR

Trail and Trail Feature Summaries

Trail Miles and Percentages by Surface Type and Condition

Trail Surface Type	Excellent		Good		Total
	Miles	%	Miles	%	Miles
Native	0.71	86%	0.12	14%	0.83
Gravel	4.66	100%	0.00	0%	4.66
Asphalt	0.15	100%	0.00	0%	0.15
Mowed	0.43	100%	0.00	0%	0.43
Total	5.95	98%	0.12	2%	6.07

Trail Miles and Percentages by Trail Classification and Condition

Trail Classification	Excellent		Good		Total
	Miles	%	Miles	%	Miles
TC2	0.51	81%	0.12	19%	0.63
TC3	5.44	100%	0.00	0%	5.44
Total	5.95	98%	0.12	2%	6.07

*Admin Roads are included in the inventory but are not rated for condition.

Trail Features

Trail Number	Feature Type	Quantity	Grouped Feature	Milepost	Photo
T200	Trailhead	1	No	0.00	AROO_C2_0015
T201	Trailhead	1	No	0.00	AROO_C2_0021
T201	Begin Section	1	No	0.08	
T300	Trailhead	1	No	0.00	AROO_C2_0001
T300	Bridge -sf	100	No	0.11	AROO_C2_0003
T300	Bridge -sf	25	No	0.23	AROO_C2_0004
T300	Culvert -lf	15	No	0.55	
T300	Sign	9	Yes	1.12	AROO_C2_0002
T301	Trailhead	1	No	0.00	AROO_C2_0006
T301	Gate	1	No	0.04	
T301	Begin Section	1	No	1.35	AROO_C2_0011
T301	Intersection	1	No	1.36	
T301	Intersection	1	No	1.96	
T301	Sign	3	Yes	2.02	AROO_C2_0007
T302	Gate	1	No	0.00	
T302	Trailhead	1	No	0.00	AROO_C2_0008
T302	Intersection	1	No	0.14	
T302	Intersection	1	No	0.15	
T302	Begin Section	1	No	0.15	AROO_C2_0010
T302	Culvert -lf	30	No	0.15	
T302	Intersection	1	No	0.33	
T302	Gate	1	No	0.36	
T302	Begin Section	1	No	0.37	AROO_C2_0012
T302	Intersection	1	No	0.56	
T303	Trailhead	1	No	0.00	AROO_C2_0013
T303	Intersection	1	No	0.21	
T303	Intersection	1	No	0.24	
T304	Trailhead	1	No	0.00	AROO_C2_0014
T304	Begin Section	1	No	0.23	

T305	Trailhead	1	No	0.00	AROO_C2_00 18
T305	Culvert -lf	30	No	0.32	
T305	Intersection	1	No	0.34	
T305	Bridge -sf	150	No	0.49	AROO_C2_00 20
T305	Intersection	1	No	0.51	
T305	Intersection	1	No	0.72	

sf - square feet

lf - linear feet

cf - cubic feet

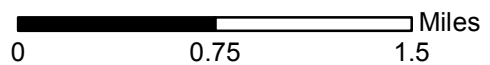
Aroostook NWR Trail Location Map



Station Boundary



HQ/VC



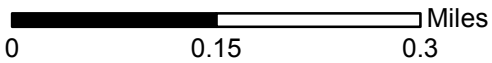
Aroostook NWR Trail Location Map



Station Boundary



HQ/VC



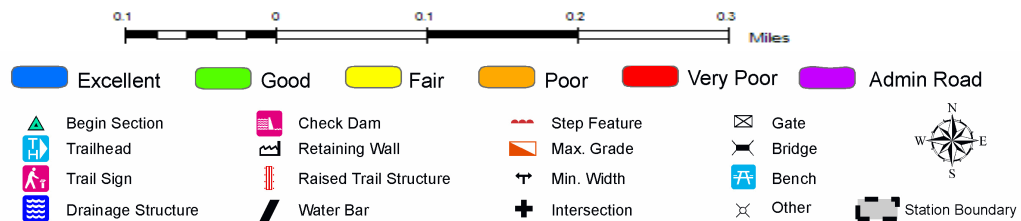
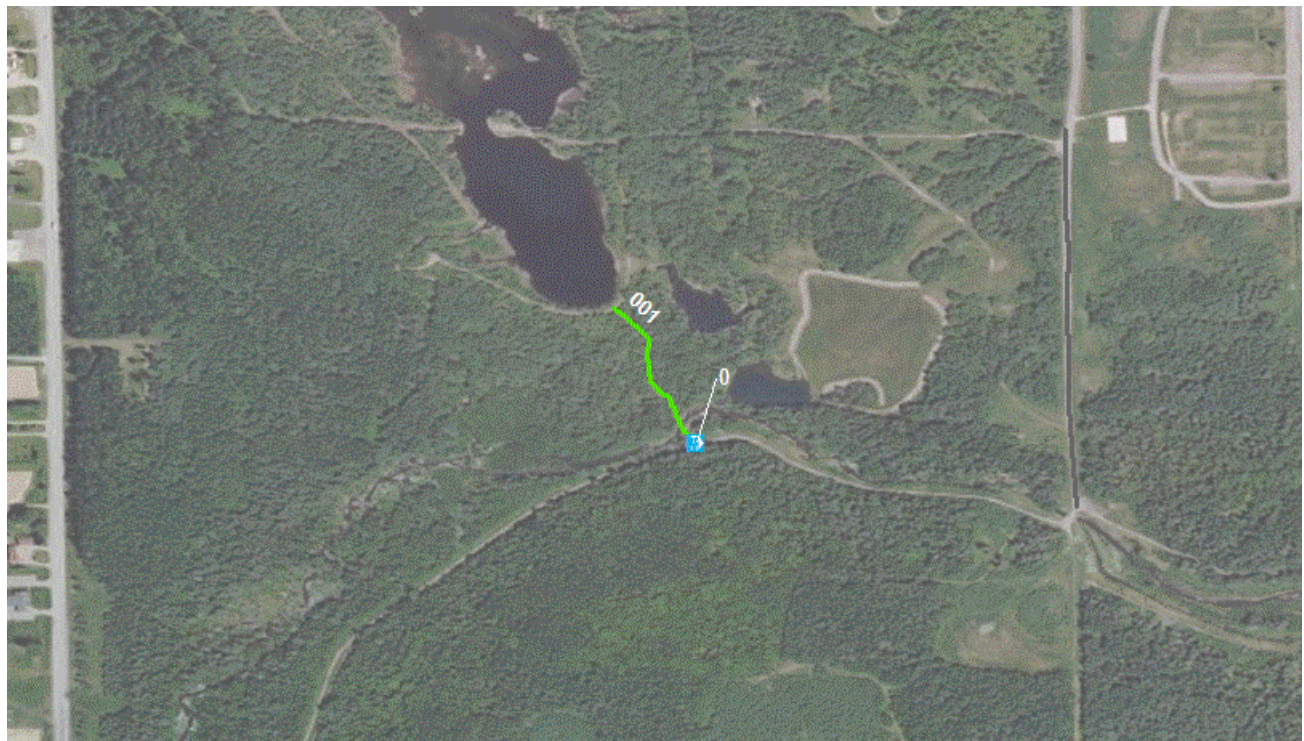
Trails ID

Station Name: Aroostook NWR

Org Code: 53630

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T200	Green Pond Trail	Native	N/A	0.12	From Swamp Road (T301) to 13 Beaver Trail (T305)
T201	Loop Trail	Native	N/A	0.51	From 13 Beaver Trail (T305) MP 0.72 to 13 Beaver Trail (T305) MP 0.58
T300	Don Lima Trail	Gravel	N/A	1.12	From Southwest of HQ Parking (Rte 900) to Northeast of HQ Parking (Rte 900)
T301	Swamp Road	Gravel	N/A	2.02	From South of Weimemn Road to Powerline Station
T302	Powerline Trail	Asphalt	N/A	0.15	From 0.1 Miles South of Southwest Corner of Base to Swamp Road (T301)
T302	Powerline Trail	Gravel	N/A	0.22	From 0.1 Miles South of Southwest Corner of Base to Swamp Road (T301)
T302	Powerline Trail	Mowed	N/A	0.43	From 0.1 Miles South of Southwest Corner of Base to Swamp Road (T301)
T303	Spruce Hill Trail	Gravel	N/A	0.44	From Swamp Road (T301) MP 1.77 to Swamp Road (T301) MP 1.36
T304	Spruce Hill South Branch Trail	Gravel	N/A	0.10	From Powerline Trail (T302) to Powerline Trail (T302)
T304	Spruce Hill South Branch Trail	Native	N/A	0.20	From Powerline Trail (T302) to Powerline Trail (T302)
T305	13 Beaver Trail	Gravel	N/A	0.76	From 0.14 miles North of Powerline Trail (T302) Trailhead to Sawyer Rd Parking (Rte 901)

TRAIL CONDITION



Trail Name: Green Pond Trail
Trail Number: T200

Refuge Name: Aroostook NWR
Region: 5

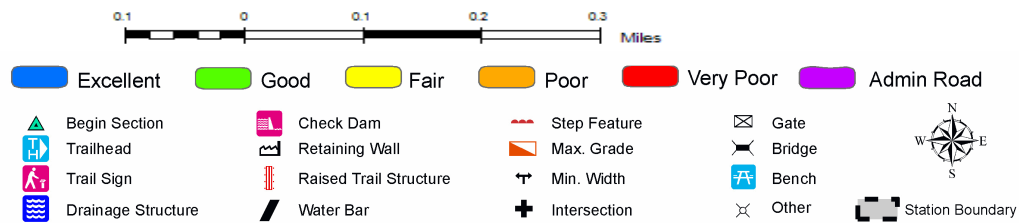
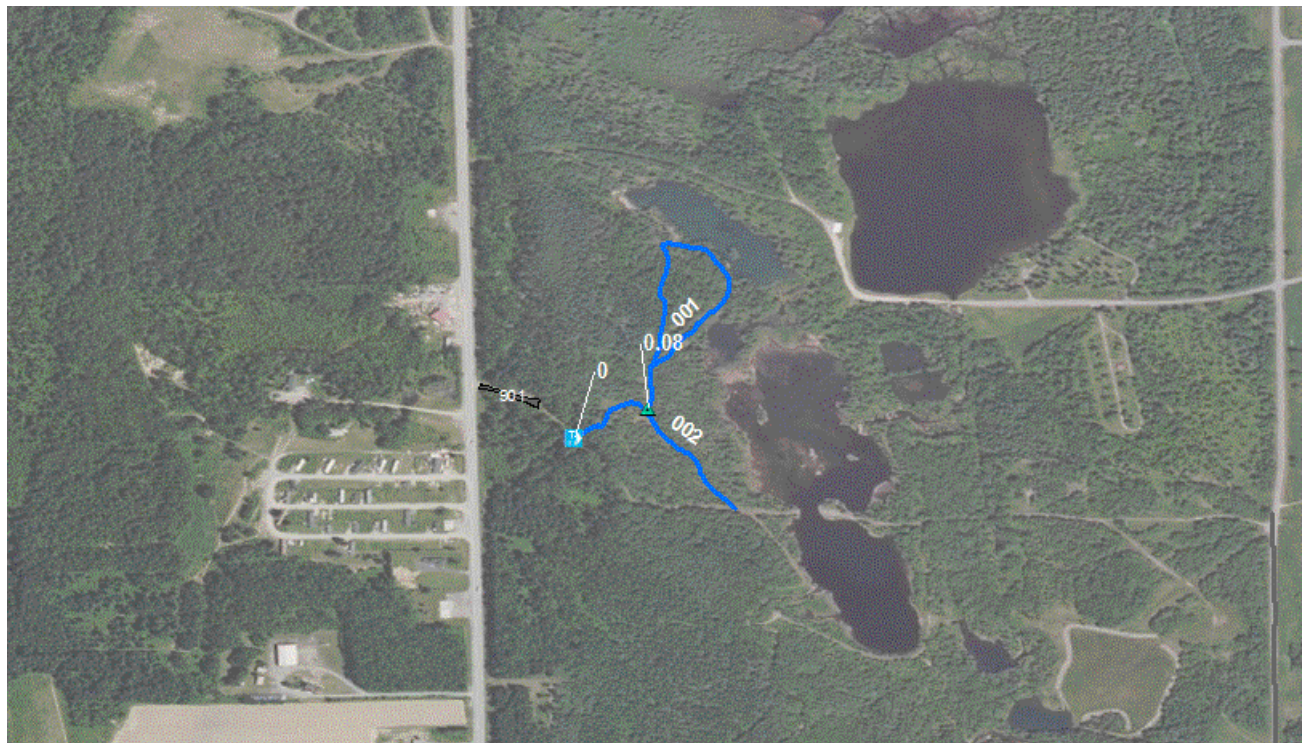
Total Length: 0.12 Miles

Section Number	001
Section Length (miles)	0.12
SAMMS Number	N/A
Rating Date	08/03/2006
Trail Section Information	
Trail Class	TC2
Surface Type	Native
Surface Firmness	Firm
Width (inches)	24
Average Grade (%)	8.4
Average X-slope (%)	5.10
Trail Condition Information	
Deferred Maintenance	\$202
CRV	\$5,720
FCI	0.04
Condition	Good

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
\$202	\$5,720	0.04	Good

TRAIL CONDITION



Trail Name: Loop Trail
Trail Number: T201

Refuge Name: Aroostook NWR
Region: 5

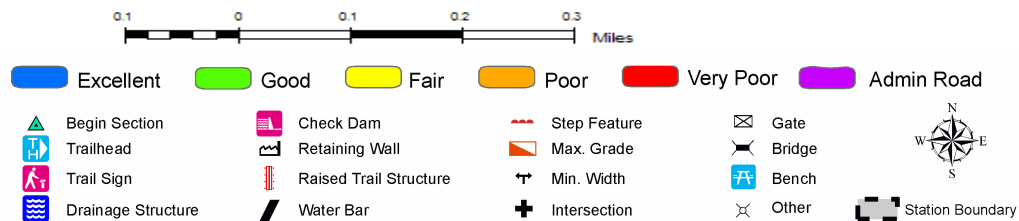
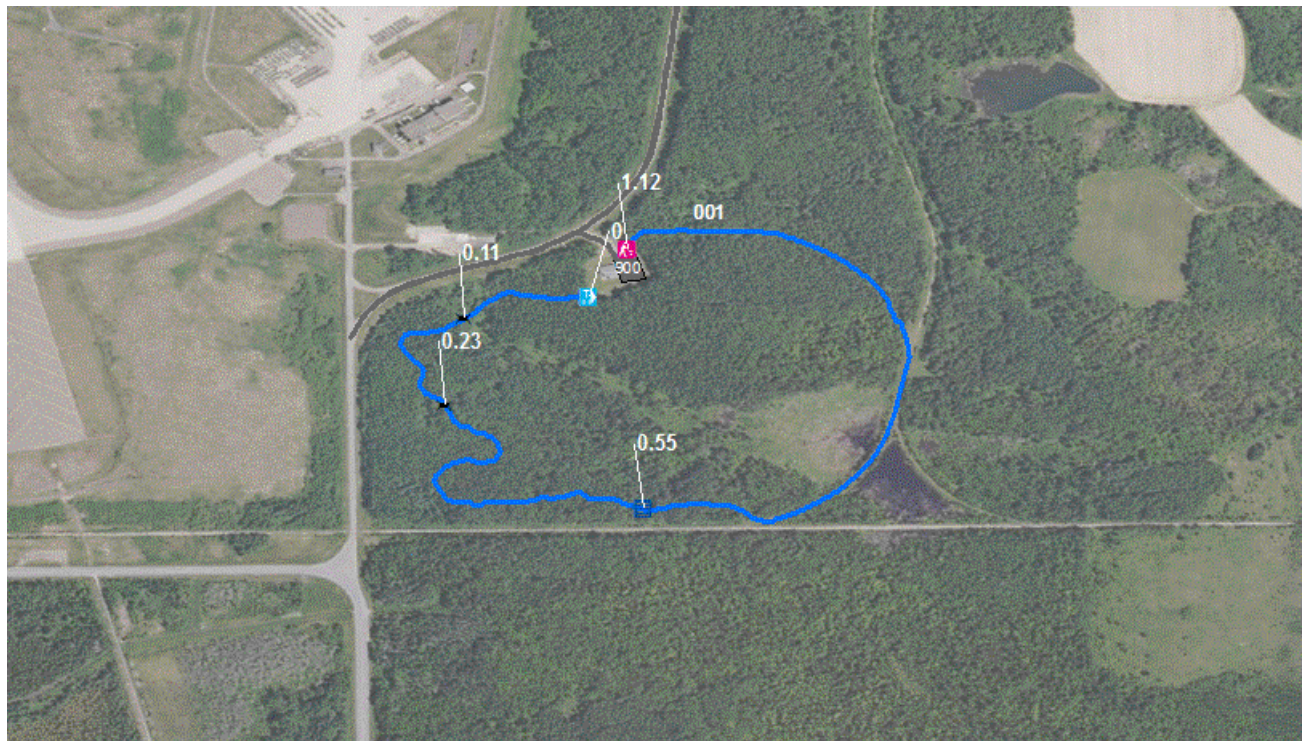
Total Length: 0.51 Miles

Section Number	001	002
Section Length (miles)	0.40	0.11
SAMMS Number	N/A	N/A
Rating Date	08/03/2006	08/03/2006
Trail Section Information		
Trail Class	TC2	TC2
Surface Type	Native	Native
Surface Firmness	Firm	Firm
Width (inches)	24	24
Average Grade (%)	1.8	1.8
Average X-slope (%)	3.10	3.10
Trail Condition Information		
Deferred Maintenance		
CRV	\$19,069	\$5,246
FCI	0.00	0.00
Condition	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$24,315	0.00	Excellent

TRAIL CONDITION



Trail Name: Don Lima Trail
Trail Number: T300

Refuge Name: Aroostook NWR
Region: 5

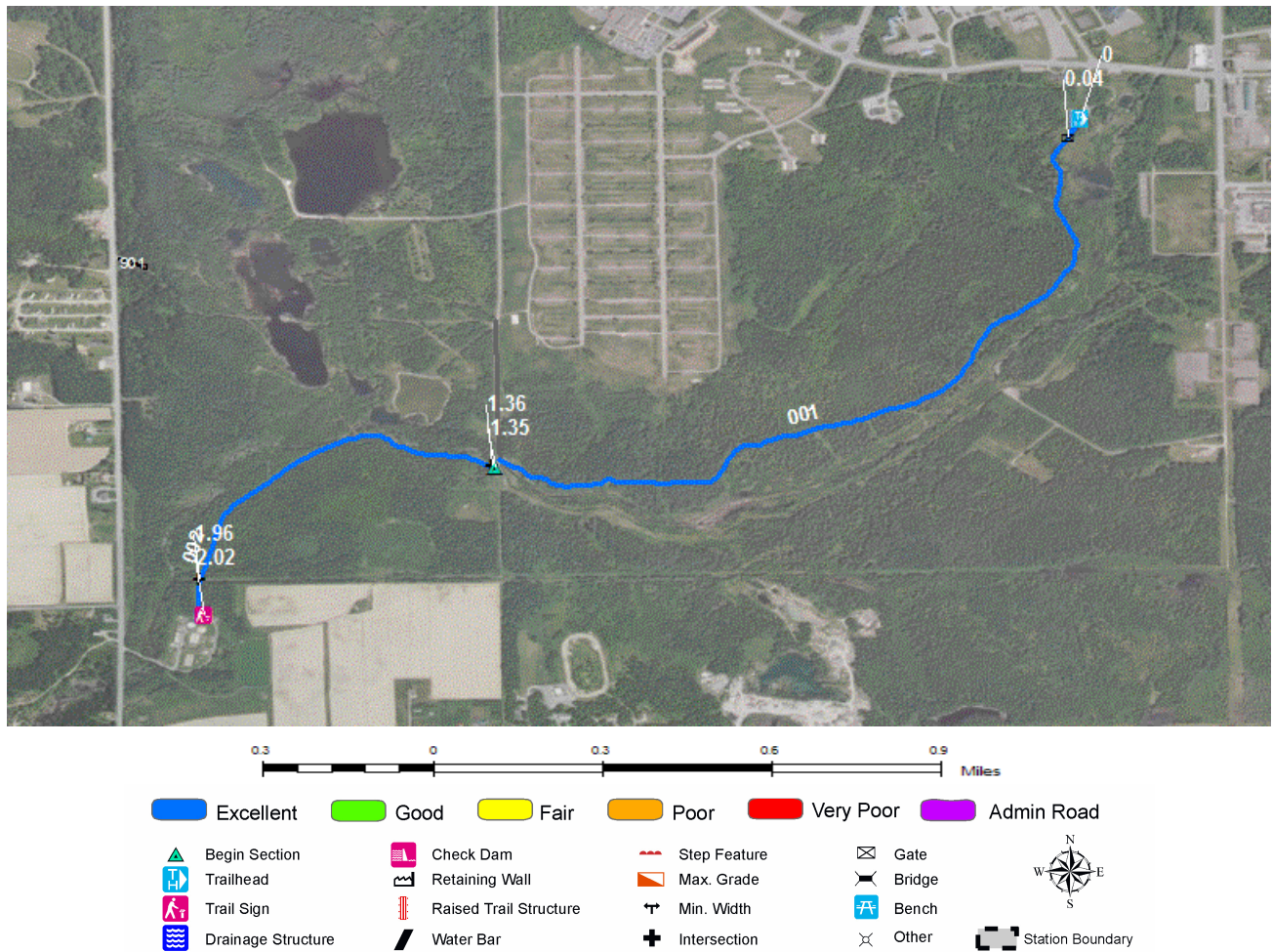
Total Length: 1.12 Miles

Section Number	001
Section Length (miles)	1.12
SAMMS Number	N/A
Rating Date	08/03/2006
Trail Section Information	
Trail Class	TC3
Surface Type	Gravel
Surface Firmness	Firm
Width (inches)	72
Average Grade (%)	1.7
Average X-slope (%)	2.20
Trail Condition Information	
Deferred Maintenance	
CRV	\$174,742
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$174,742	0.00	Excellent

TRAIL CONDITION



Trail Name: Swamp Road
Trail Number: T301

Refuge Name: Aroostook NWR
Region: 5

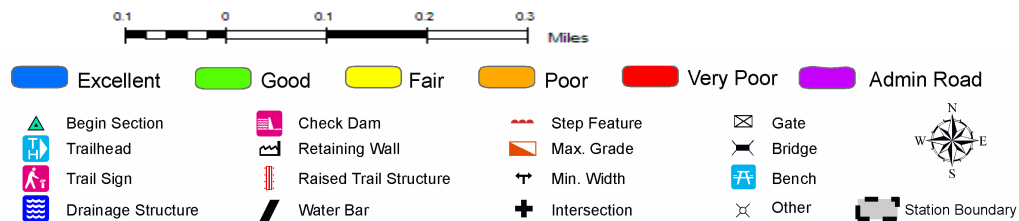
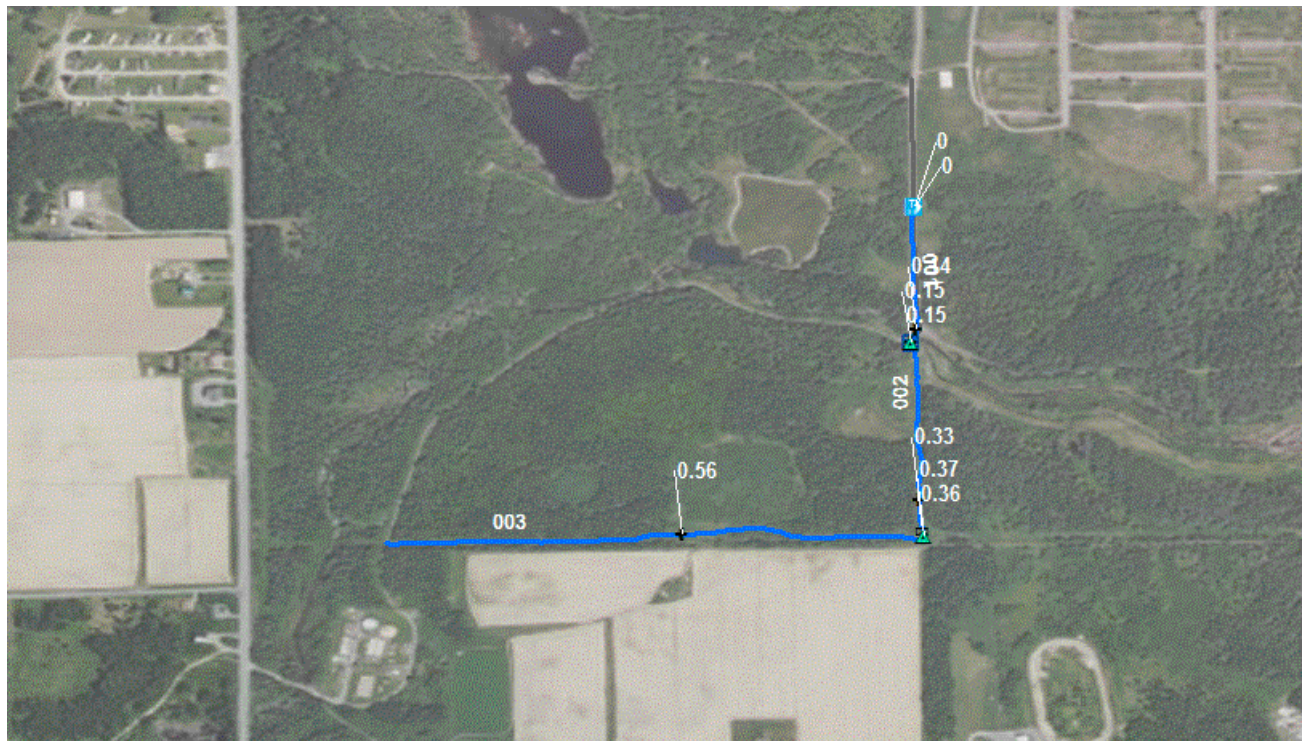
Total Length: 2.02 Miles

Section Number	001	002
Section Length (miles)	1.35	0.67
SAMMS Number	N/A	N/A
Rating Date	08/03/2006	08/03/2006
Trail Section Information		
Trail Class	TC3	TC3
Surface Type	Gravel	Gravel
Surface Firmness	Firm	Firm
Width (inches)	96	96
Average Grade (%)	2.4	2.4
Average X-slope (%)	3.80	3.80
Trail Condition Information		
Deferred Maintenance		
CRV	\$280,832	\$139,377
FCI	0.00	0.00
Condition	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$420,209	0.00	Excellent

TRAIL CONDITION



Trail Name: Powerline Trail
Trail Number: T302

Refuge Name: Aroostook NWR
Region: 5

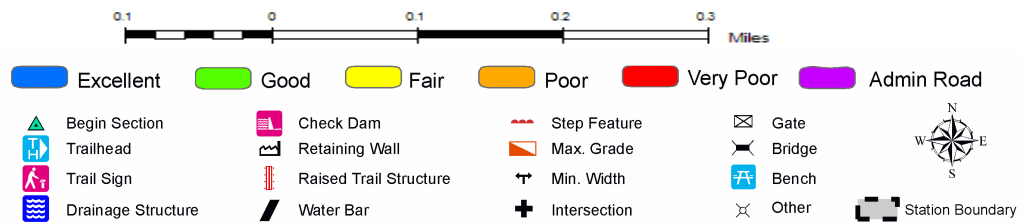
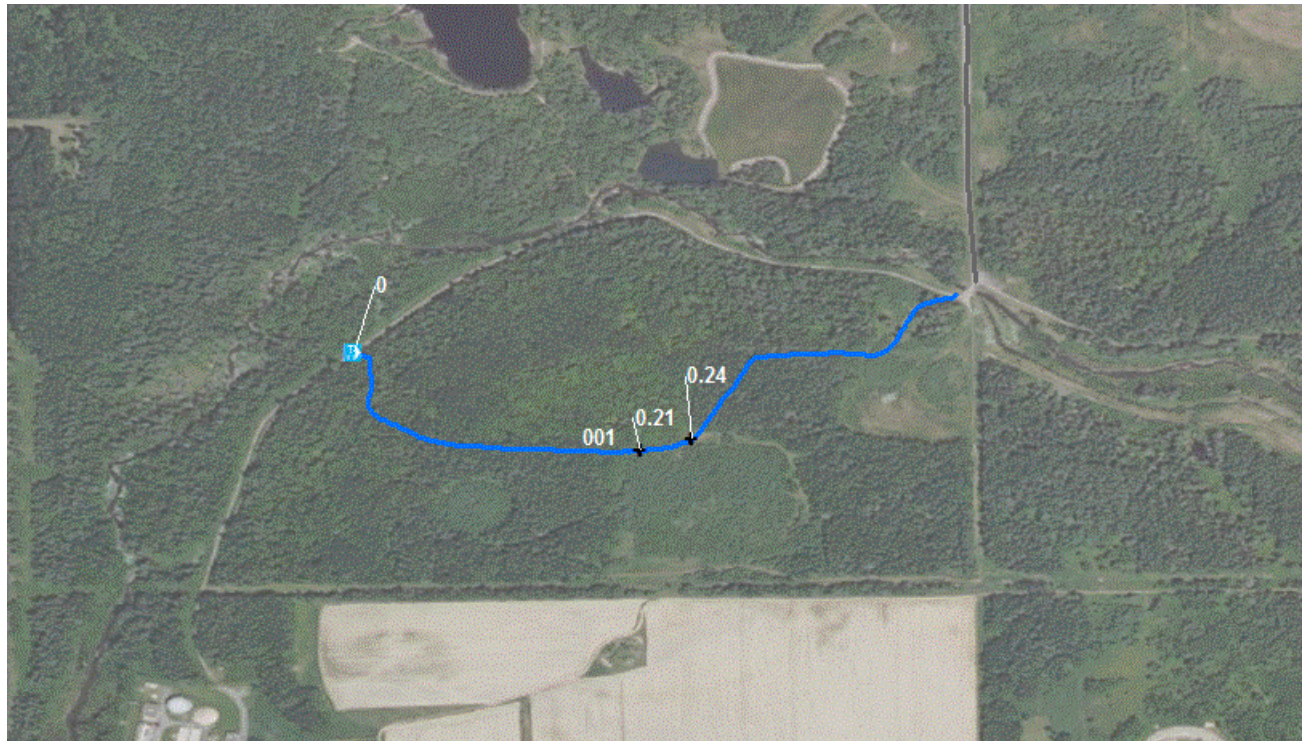
Total Length: 0.80 Miles

Section Number	001	002	003
Section Length (miles)	0.15	0.22	0.43
SAMMS Number	N/A	N/A	N/A
Rating Date	08/03/2006	08/03/2006	08/03/2006
Trail Section Information			
Trail Class	TC3	TC3	TC3
Surface Type	Asphalt	Gravel	Mowed
Surface Firmness	Paved	Firm	Firm
Width (inches)	120	96	96
Average Grade (%)	1.8	1.8	1.8
Average X-slope (%)	3.10	3.10	3.10
Trail Condition Information			
Deferred Maintenance			
CRV	\$50,020	\$45,766	\$20,499
FCI	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$116,285	0.00	Excellent

TRAIL CONDITION



Trail Name: Spruce Hill Trail
Trail Number: T303

Refuge Name: Aroostook NWR
Region: 5

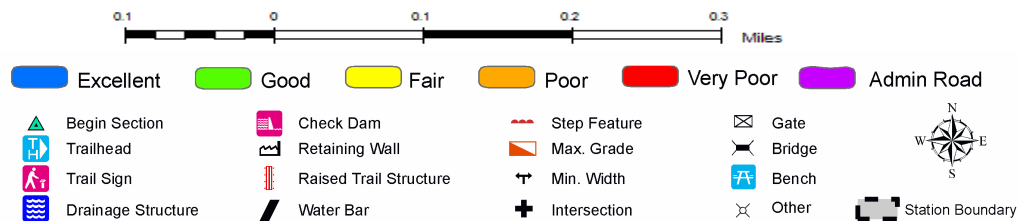
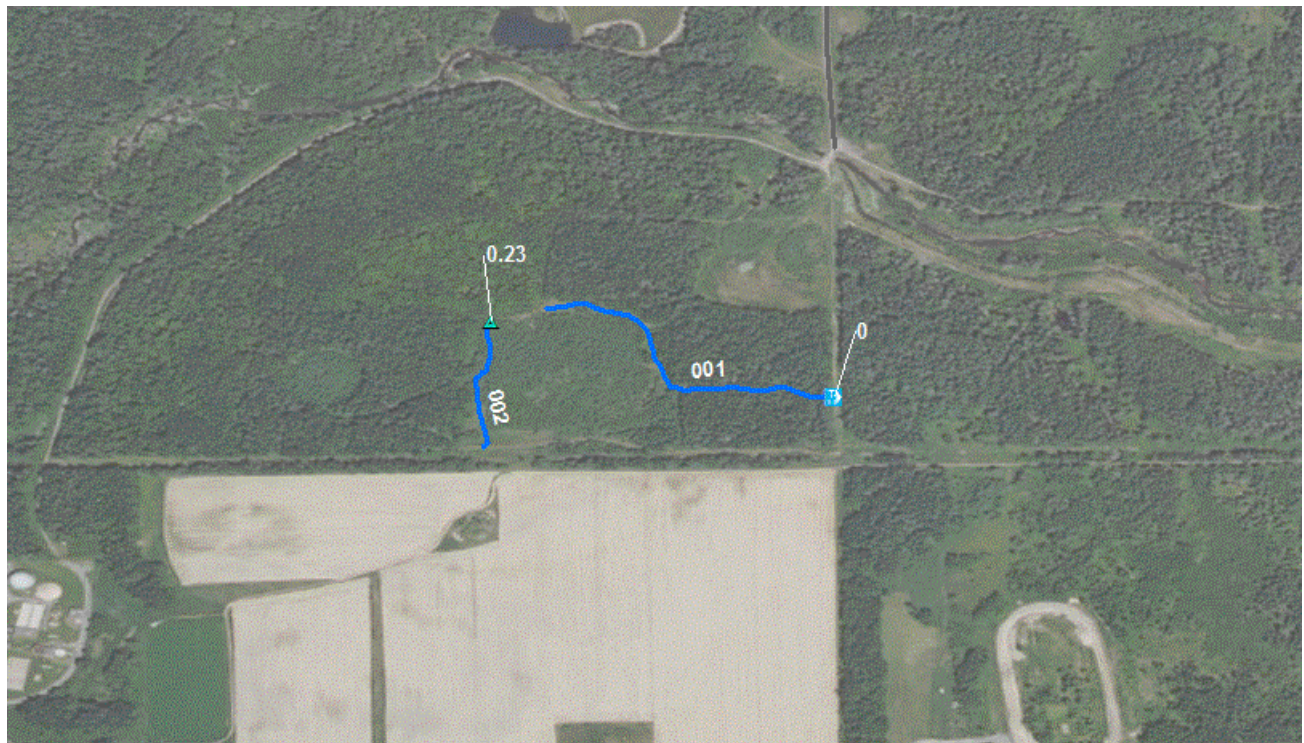
Total Length: 0.44 Miles

Section Number	001
Section Length (miles)	0.44
SAMMS Number	N/A
Rating Date	08/03/2006
Trail Section Information	
Trail Class	TC3
Surface Type	Gravel
Surface Firmness	Firm
Width (inches)	72
Average Grade (%)	7.2
Average X-slope (%)	3.60
Trail Condition Information	
Deferred Maintenance	
CRV	\$68,647
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$68,647	0.00	Excellent

TRAIL CONDITION



Trail Name: Spruce Hill South Branch Trail **Refuge Name:** Aroostook NWR
Trail Number: T304 **Region:** 5

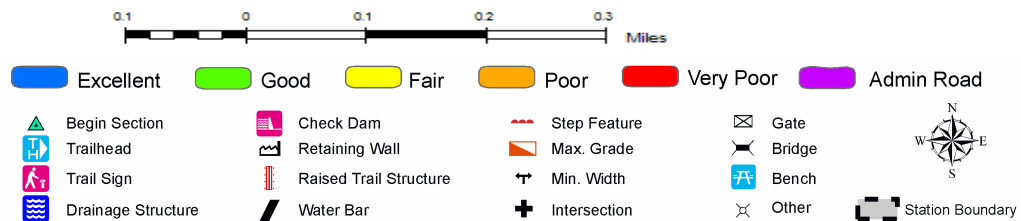
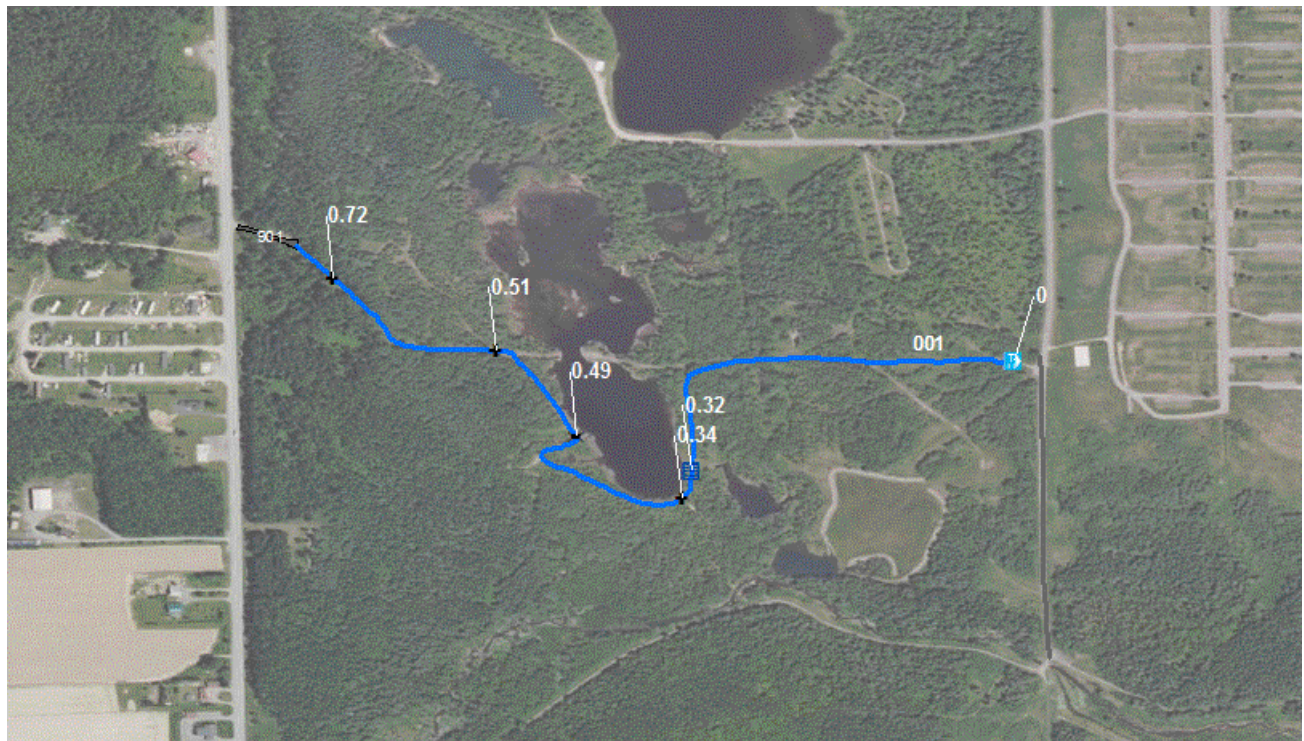
Total Length: 0.30 Miles

Section Number	001	002
Section Length (miles)	0.20	0.10
SAMMS Number	N/A	N/A
Rating Date	08/03/2006	08/03/2006
Trail Section Information		
Trail Class	TC3	TC3
Surface Type	Native	Gravel
Surface Firmness	Firm	Firm
Width (inches)	60	60
Average Grade (%)	4.3	4.3
Average X-slope (%)	4.50	4.50
Trail Condition Information		
Deferred Maintenance		
CRV	\$23,836	\$13,001
FCI	0.00	0.00
Condition	Excellent	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$36,838	0.00	Excellent

TRAIL CONDITION



Trail Name: 13 Beaver Trail
Trail Number: T305

Refuge Name: Aroostook NWR
Region: 5

Total Length: 0.76 Miles

Section Number	001
Section Length (miles)	0.76
SAMMS Number	N/A
Rating Date	08/03/2006
Trail Section Information	
Trail Class	TC3
Surface Type	Gravel
Surface Firmness	Firm
Width (inches)	120
Average Grade (%)	3.3
Average X-slope (%)	9.60
Trail Condition Information	
Deferred Maintenance	
CRV	\$197,622
FCI	0.00
Condition	Excellent

Trail Condition TOTALS

Deferred Maintenance	CRV	FCI	Condition
	\$197,622	0.00	Excellent

TRAIL DEFICIENCY



Trail Name: Green Pond Trail

Refuge Name: Aroostook NWR

Trail Number: T200

Region: 5

Total Length: 0.12 Miles

Mile Post	0.11
Section Number	001
Photo Number	AROO_C2_0016
Deficiency	Drainage
Action	Build/Add
Item	Puncheon -lf
Quantity	15
Deferred Maintenance	\$202

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T200
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0015 - MP 0.00 - Trailhead

TRAIL NUMBER: T201
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0021 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0001 - MP 0.00 - Trailhead

TRAIL NUMBER: T300
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0003 - MP 0.11 - Bridge -sf

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T300
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0004 - MP 0.23 - Bridge -sf

TRAIL NUMBER: T300
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0002 - MP 1.12 - Sign

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0006 - MP 0.00 - Trailhead

TRAIL NUMBER: T301
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0011 - MP 1.35 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T301
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0007 - MP 2.02 - Sign

TRAIL NUMBER: T302
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0008 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T302
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0010 - MP 0.15 - Begin Section

TRAIL NUMBER: T302
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0012 - MP 0.37 - Begin Section

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T303
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0013 - MP 0.00 - Trailhead

TRAIL NUMBER: T304
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0014 - MP 0.00 - Trailhead

PHOTOGRAPHIC SHEET

TRAIL NUMBER: T305
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0018 - MP 0.00 - Trailhead

TRAIL NUMBER: T305
STATION: Aroostook NWR
DATE: 08/03/2006



Photo # AROO_C2_0020 - MP 0.49 - Bridge -sf

Glossary of Terms and Abbreviations

Acc Info	Accessibility information available at trailhead.
Action	Action required to correct deficiency.
Admin Road	Administration Road. Admin Roads signed and advertised as trails are included in the trail inventory but a condition assessment is NOT done.
Alt SAMMS	SAMMS number of Alternate Facility Type.
Alt Type	Alternate Facility Type. Trail lies on a feature such as a levee, dam, administrative road or bridge, which has a separate SAMMS number.
AvgGrade	The average grade of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
AvgSlope	The average cross-slope of the trail (%). The average of five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.
Check Dam	A small dam constructed across a drainage ditch, swale, or channel to lower the speed of concentrated flows.
Condition	Subjective rating of trail based on Facility Condition Index (FCI): FCI \leq .01 = Excellent FCI .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI $>$.20 = Failed
Crib Wall	Retaining wall.
Current Replacement Value (CRV)	The value of an asset determined by the estimated cost of replacing it.
Def type	Deficiency Type: Trail Structure, Drainage, Erosion, Obstacle, Trail Location, Other.
Deferred Maintenance (DM)	Maintenance that was not performed when scheduled.

Elem ID	Unique identifier for each trail section: Org Code-Trail Number-Section Number.
Facility Condition Index (FCI)	DM/CRV
Grouped Features	Grouped features include non-unique signs (mileposts, interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the “quantity” field of the data dictionary.
Info Type	Type of accessibility information available at trailhead: brochure, sign or other.
Item	Item on which the “Action” (see above) will be performed.
Manage_Use	Managed use of the trail: HIKE, BIKE, NSPC (non-specified), PACK, POR (portage), SNOWSHOE, XSKI (cross-country ski), OTHER.
MP	Distance of a trail feature or deficiency from the Trailhead.
Puncheon	Log footbridge used in area of poor drainage.
Raised Trail Structure	Boardwalk, Turnpike, Puncheon.
T Class	Trail Class: I-V (see Appendix ? for trail class descriptions).
Tr Desig	Trail Designation: Standard (Std), National Historic Trail (NHT), National Recreation Trail (NRT), National Scenic Trail (NST).
Turnpike	Trail tread elevated with dirt, rock or other aggregate from parallel side ditches and held in place by logs.